

Attachment 1

| <u>Title</u> | <u>Serial No./ Publication No.</u> | <u>Filing Date/ Publication Date</u> |
|--|--|--|
| Detection System For Power Equipment | 09/929,426 2002-0017176-A1 | August 13, 2001 February 14, 2002 |
| Contact Detection System For Power Equipment | 60/225,200 | August 14, 2000 |
| Apparatus And Method For Detecting Dangerous Conditions In Power Equipment | 09/929,221 2002-0017336-A1 | August 13, 2001 February 14, 2002 |
| Apparatus And Method For Detecting Dangerous Conditions In Power Equipment | 60/225,211 | August 14, 2000 |
| Firing Subsystem For Use In A Fast-Acting Safety System | 09/929,240 2002-0020263-A1 | August 13, 2001 February 21, 2002 |
| Firing Subsystem For Use In A Fast-Acting Safety System | 60/225,056 | August 14, 2000 |
| Spring-Biased Brake Mechanism For Power Equipment | 09/929,227 2002-0020271-A1 | August 13, 2001 February 21, 2002 |
| Spring-Biased Brake Mechanism For Power Equipment | 60/225,170 | August 14, 2000 |
| Brake Mechanism For Power Equipment | 09/929,241 2002-0017180-A1 | August 13, 2001 February 14, 2002 |
| Brake Mechanism For Power Equipment | 60/225,169 | August 14, 2000 |
| Retraction System For Use In Power Equipment | 09/929,242 2002-0017181-A1 | August 13, 2001 February 14, 2002 |
| Retraction System For Use In Power Equipment | 60/225,089 | August 14, 2000 |
| Replaceable Brake Mechanism For Power Equipment | 09/929,236 2002-0020261-A1 | August 13, 2001 February 21, 2002 |
| Replaceable Brake Mechanism For Power Equipment | 60/225,201 | August 14, 2000 |
| Brake Positioning System | 09/929,244 2002-0017182-A1 | August 13, 2001 February 14, 2002 |
| Brake Positioning System | 60/225,212 | August 14, 2000 |
| Logic Control For Fast-Acting Safety System | 09/929,237 2002-0020262-A1 | August 13, 2001 February 21, 2002 |
| Logic Control For Fast-Acting Safety System | 60/225,059 | August 14, 2000 |

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Serial No. 09/929,240

| <u>Title</u> | <u>Serial No./ Publication No.</u> | <u>Filing Date/ Publication Date</u> |
|--|--|--|
| Motion Detecting System For Use In A Safety System For Power Equipment | 09/928,234 2002-0017178-A1 | August 13, 2001 February 14, 2002 |
| Motion Detecting System For Use In A Safety System For Power Equipment | 60/225,094 | August 14, 2000 |
| Translation Stop For Use In Power Equipment | 09/929,425 2002-0017175-A1 | August 13, 2001 February 14, 2002 |
| Translation Stop For Use In Power Equipment | 60/225,210 | August 14, 2000 |
| Translation Stop For Use In Power Equipment | 60/233,459 | September 18, 2000 |
| Cutting Tool Safety System | 09/929,226 2002-0017183-A1 | August 13, 2001 February 14, 2002 |
| Cutting Tool Safety System | 60/225,206 | August 14, 2000 |
| Table Saw With Improved Safety System | 09/929,235 2002-0017184-A1 | August 13, 2001 February 14, 2002 |
| Table Saw With Improved Safety System | 60/225,058 | August 14, 2000 |
| Miter Saw With Improved Safety System | 09/929,238 2002-0017179-A1 | August 13, 2001 February 14, 2002 |
| Miter Saw With Improved Safety System | 60/225,057 | August 14, 2000 |
| Fast Acting Safety Stop | 60/157,340 | October 1, 1999 |
| Safety Systems For Power Equipment | 09/676,190 | September 29, 2000 |
| Fast-Acting Safety Stop (Taiwan) | 143486 | February 25, 2002 |
| Fast-Acting Safety Stop | 60/182,866 | February 16, 2000 |
| Safety Systems for Power Equipment (PCT) | PCT/US00/28812 | September 29, 2000 |
| Miter Saw With Improved Safety System | 10/052,806 2002-0059855-A1 | January 16, 2002 May 23, 2002 |
| Miter Saw With Improved Safety System | 60/270,942 | February 22, 2001 |
| Contact Detection System For Power Equipment | 10/053,390 2002-0069734-A1 | January 16, 2002 June 13, 2002 |
| Contact Detection System For Power Equipment | 60/270,011 | February 20, 2001 |

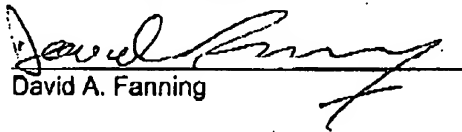
| <u>Title</u> | <u>Serial No./ Publication No.</u> | <u>Filing Date/ Publication Date</u> |
|---|--|--|
| Power Saw With Improved Safety System | 10/052,273 2002-0059853-A1 | January 16, 2002 May 23, 2002 |
| Power Saw With Improved Safety System | 60/270,841 | February 22, 2001 |
| Table Saw With Improved Safety System | 10/052,705 2002-0056350-A1 | January 16, 2002 May 16, 2002 |
| Table Saw With Improved Safety System | 60/273,177 | March 2, 2001 |
| Miter Saw With Improved Safety System | 10/052,274 2002-0059854-A1 | January 16, 2002 May 23, 2002 |
| Miter Saw With Improved Safety System | 60/273,178 | March 2, 2001 |
| Miter Saw With Improved Safety System | 10/050,085 2002-0056349-A1 | January 14, 2002 May 16, 2002 |
| Miter Saw With Improved Safety System | 60/273,802 | March 6, 2001 |
| Miter Saw With Improved Safety System | 10/047,066 2002-0056348-A1 | January 14, 2002 May 16, 2002 |
| Miter Saw With Improved Safety System | 60/275,594 | March 13, 2001 |
| Safety Systems For Power Equipment | 60/275,595 | March 13, 2001 |
| Miter Saw With Improved Safety System | 10/051,782 2002-0066346-A1 | January 15, 2002 June 6, 2002 |
| Miter Saw With Improved Safety System | 60/279,313 | March 27, 2001 |
| Safety Systems for Power Equipment | 10/100,211 2002-0170399-A1 | March 13, 2002 November 21, 2002 |
| Safety Systems For Power Equipment | 60/275,583 | March 13, 2001 |
| Router With Improved Safety System | 10/197,975 2003-0015253-A1 | July 18, 2002 January 23, 2003 |
| Router With Improved Safety System | 60/306,202 | July 18, 2001 |
| Translation Stop For Use In Power Equipment | 09/955,418 2002-0020265-A1 | September 17, 2001 February 21, 2002 |
| Translation Stop For Use In Power Equipment | 60/292,081 | May 17, 2001 |
| Band Saw With Improved Safety System | 10/146,527 2002-0170400-A1 | May 15, 2002 November 21, 2002 |
| Band Saw With Improved Safety System | 60/292,100 | May 17, 2001 |

| <u>Title</u> | <u>Serial No./ Publication No.</u> | <u>Filing Date/ Publication Date</u> |
|---|--|--|
| Apparatus And Method For Detecting Dangerous Conditions In Power Equipment | 10/172,553 2002-0190581-A1 | June 13, 2002 December 19, 2002 |
| Apparatus And Method For Detecting Dangerous Conditions In Power Equipment | 60/298,207 | June 13, 2001 |
| Discrete Proximity Detection System | 10/189,031 2003-0002942-A1 | July 2, 2002 January 2, 2003 |
| Discrete Proximity Detection System | 60/302,937 | July 2, 2001 |
| Actuators for Use in Fast-Acting Safety Systems | 10/189,027 2003-0005588-A1 | July 2, 2002 January 9, 2003 |
| Actuators For Use In Fast-Acting Safety Systems | 60/302,916 | July 3, 2001 |
| Actuators For Use In Fast-Acting Safety Systems | 10/205,164 2003-0020336-A1 | July 25, 2002 January 30, 2003 |
| Actuators For Use In Fast-Acting Safety Systems | 60/307,758 | July 25, 2001 |
| Safety Systems for Power Equipment | 10/215,929 2003-0037651 | August 9, 2002 February 27, 2003 |
| Safety Systems For Power Equipment | 60/312,141 | August 13, 2001 |
| Safety Systems For Band Saws | 10/202,928 2003 0019311-A1 | July 25, 2002 January 30, 2003 |
| Safety Systems For Band Saws | 60/308,492 | July 27, 2001 |
| Router With Improved Safety System | 10/251,576 2003-0056853-A1 | September 20, 2002 March 27, 2003 |
| Router With Improved Safety System | 60/323,975 | September 21, 2001 |
| Logic Control With Test Mode For Fast-Acting Safety System | 10/243,042 2003-0058121-A1 | September 13, 2002 March 27, 2003 |
| Logic Control With Test Mode For Fast-Acting Safety System | 60/324,729 | September 24, 2001 |
| Detection System for Power Equipment | 10/292,607 2003-0090224-A1 | November 12, 2002 May 15, 2003 |
| Detection System For Power Equipment | 60/335,970 | November 13, 2001 |

| <u>Title</u> | <u>Serial No./ Publication No.</u> | <u>Filing Date/ Publication Date</u> |
|--|--|--|
| Apparatus and Method for Detecting Dangerous Conditions in Power Equipment | 10/345,630 2003-0131703-A1 | January 15, 2003 July 17, 2003 |
| Safety Systems For Power Equipment | 60/340,989 | January 16, 2002 |
| Brake Pawls for Power Equipment | 10/341,260 2003-0140749-A1 | January 13, 2003 July 31, 2003 |
| Brake Pawls For Power Equipment | 60/351,797 | January 25, 2002 |
| Miter Saw With Improved Safety System | 10/643,296 | August 18, 2003 |
| Miter Saw With Improved Safety System | 60/406,138 | August 27, 2002 |
| Retraction System And Motor Position For Use With Safety Systems For Power Equipment | 60/452,159 | March 5, 2003 |
| Table Saws With Safety Systems And Blade Retraction | 60/496,660 | August 20, 2003 |
| Brake Cartridges For Power Equipment | 60/486,574 | August 20, 2003 |
| Switch Box For Power Tools With Safety Systems | 60/533,598 | December 31, 2003 |
| Motion Detection System For Use In A Safety System for Power Equipment | 60/498,568 | August 20, 2003 |
| Improved Detection Systems For Power Equipment | 60/533,791 | December 31, 2003 |
| Improved Fence For Table Saws | 60/533,852 | December 31, 2003 |
| Improved Table Saws With Safety Systems | 60/533,811 | December 31, 2003 |
| Brake Cartridges And Mounting Systems For Brake Cartridges | 60/533,575 | December 31, 2003 |
| Improved Table Saws With Safety Systems and Systems to Mount and Index Attachments | 60/540,377 | January 29, 2004 |

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David A. Fanning

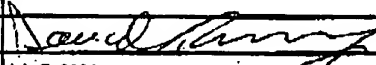
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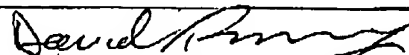
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|---|----------------------|------------------------|---------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 09/929,240 | |
| | Filing Date | August 13, 2001 | |
| | First Named Inventor | Stephen F. Gass | |
| | Art Unit | 3724 | |
| | Examiner Name | Boyer D. Ashley | |
| Total Number of Pages in This Submission | 37 | Attorney Docket Number | SDY 303 |

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| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
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| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | |
| Firm or Individual name | David Fanning, Esq., Reg. No. 33, 233 SD3, LLC | |
| Signature |  | |
| Date | July 7, 2004 | |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
STEPHEN F. GASS, ANDREW L. JOHNSTON,
JOEL F. JENSEN, SUNG H. KIM,
DAVID A. FANNING, and ROBERT L.
CHAMBERLAIN

Date: July 7, 2004

Serial No.: 09/929,240

Examiner Boyer D. Ashley

Filed: August 13, 2001

Group Art Unit 3724

For: FIRING SUBSYSTEM FOR USE IN A FAST-ACTING SAFETY SYSTEM

To: Commissioner for Patents
Attention: Examiner Boyer D. Ashley
Group Art Unit 3724
P.O. Box 1450
Alexandria, Virginia 22313-1450

DECLARATION OF STEPHEN F. GASS

I, Stephen F. Gass, declare as follows:

1. I am a named inventor in the above-identified application.
2. I am a member of applicant SD3, LLC.
3. In an Office Action mailed April 7, 2004, the Examiner rejected claims in the above-identified application under 35 U.S.C. §103(a) in light of various I am filing this declaration to traverse those rejections and to submit evidence concerning non-obviousness.
4. My educational background is in physics. In 1986 I earned a Bachelor of Science degree in physics from Oregon State University, and graduated summa cum laude. In 1990 I was awarded a Ph.D. degree in physics from the University of California San Diego.

Page 1- DECLARATION OF STEPHEN F. GASS
Serial No. 09/929,240

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5. The U.S. Consumer Product Safety Commission, National Electronic Injury Surveillance System, Directorate for Epidemiology, reports that every year in the United States there are over 90,000 people severely injured with power saws. These are all severe injuries that require a visit to a hospital emergency room. About 10% of these injuries result in amputations. The number and severity of these injuries shows there is a long felt need for safer saws. Others have tried to solve this problem, as evidenced by the Yoneda patent cited by the Examiner. However, the continued high number of severe injuries shows that those attempts have failed. Saws constructed as required by the claims currently pending in the above-identified application have the potential to significantly reduce the severity of these injuries.

6. The technology which is the basis for saws constructed as required by applicant's currently pending claims has been recognized with at least the following awards:

- Chairman's Commendation. The U.S. Consumer Product Safety Commission awarded the technology a Chairman's Commendation for significant contributions to product safety. That award was reported nationally on CNN Headline News.
- Challenger's Award. At an International Woodworking Fair in Atlanta, Georgia, the technology won the Challenger's Award, which is the woodworking industry's highest honor. It recognizes the most innovative and technically advanced improvements to woodworking equipment.
- Popular Science – One of the 100 Best New Innovations. The magazine *Popular Science* identified the technology as one of the 100 best new innovations of 2002.

- Workbench Magazine – One of the Top 10 Tools for 2003. *Workbench* magazine included the saws incorporating the technology on its list of the top 10 innovative tools for 2003.

- Woodwork Institute of California Endorsement. The Woodwork Institute of California has endorsed the technology, stating:


As a Trade Association in the construction industry (representing over 250 manufacturers of architectural millwork with an excess of 4,000 employees, all of whom use saws of one type or another) we find your SawStop technology and its potential of eliminating or reducing worker injury of extreme significance. Generally, we would not endorse a commercial product; however the potential benefit to our members and their employees of implementing the SawStop technology on the tools used within our industry overrides such.

- Editor's Choice Award, Tools of the Trade. The magazine *Tools of the Trade* awarded the technology its 2001 Editor's Choice Award in recognition of its significance.

7. The technology that is the basis for the currently pending claims has also been the subject of extensive media coverage, including national coverage by CNN Headline News, by the television program NEXT@CNN, by the Associated Press, and by Paul Harvey on the ABC Radio Network. Numerous magazines have published reports about the technology saying it is "revolutionary," "unique" and "ingenious."

8. I hereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Date: July 7, 2004



Stephen F. Gass

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